Mouse Alpha-enolase(ENO1) ELISA kit

Product Code	CSB-EL007670MO
Protein Biological Process 2	glyconeogenesis and glycometabolism
Abbreviation	ENO1
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	enolase 1, (alpha)
Uniprot No.	P17182
Alias	ENO1L1, MBP-1, MPB1, NNE, PPH, 2-phospho-D-glycerate hydro-lyase|MYC promoter-binding protein 1|alpha enolase like 1|enolase 1|non-neural enolase|phosphopyruvate hydratase|tau-crystallin
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Glycolysis
Sample Types	serum, plasma, tissue homogenates
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	15.6 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Metabolism
Gene Names	Eno1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse ENO1 ELISA Kit was designed for the quantitative measurement of Mouse ENO1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/mL.
Target Details	This gene encodes one of three enolase isoenzymes found in mammals; it encodes alpha-enolase, a homodimeric soluble enzyme, and also encodes a shorter monomeric structural lens protein, tau-crystallin. The two proteins are

made from the same message. The full length protein, the isoenzyme, is found in the cytoplasm. The shorter protein is produced from an alternative translation start, is localized to the nucleus, and has been found to bind to an element in the c-myc promoter. A pseudogene has been identified that is located on the other arm of the same chromosome.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse ENO1 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	98
	Range %	94-103
1:2	Average %	85
	Range %	81-90
1:4	Average %	104
	Range %	100-107
1:8	Average %	85
	Range %	80-90

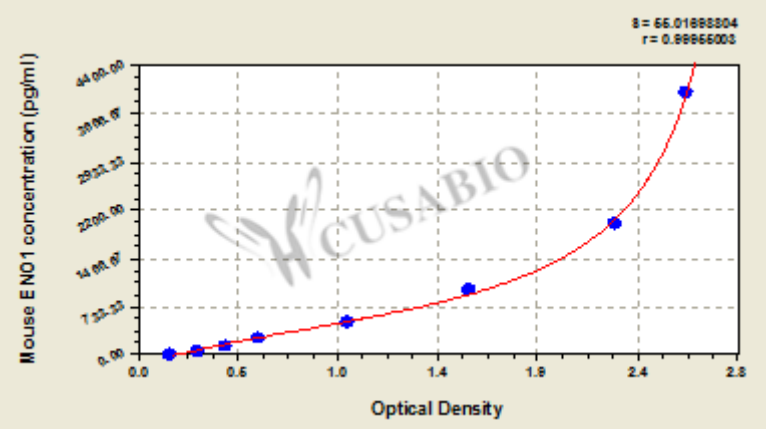
Recovery

The recovery of mouse ENO1 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	107	103-110
EDTA plasma (n=4)	86	83-89

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
4000	2.557	2.601	2.579	2.416
2000	2.291	2.186	2.239	2.076
1000	1.553	1.562	1.558	1.395
500	0.981	0.998	0.990	0.827
250	0.582	0.571	0.577	0.414
125	0.414	0.432	0.423	0.260
62.5	0.295	0.290	0.293	0.130
0	0.161	0.164	0.163	?

Msds

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